

Date: Tue, 20 Sep 94 04:30:18 PDT
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
Reply-To: Ham-Ant@UCSD.Edu
Precedence: Bulk
Subject: Ham-Ant Digest V94 #315
To: Ham-Ant

Ham-Ant Digest Tue, 20 Sep 94 Volume 94 : Issue 315

Today's Topics:

 9913 feedline question
 Adding groups
 Cheap 2M/70cm base antenna? (2 msgs)
 Coaxial into the House
 Discones as transmitting antennas
 Gap Antennas
 Good Magnetic Mount CB Antenna Needed!
 Ground Plane Antenna for 2 Meters
 High Sierra, Loop, or Random Wire?
 Looking for passwords for decodifier..
 R5 Adjustments
 RS twinlead antenna
 SGC "QMS" mobile HF antenna
 Summary - Half Square Antenna

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 13 Sep 1994 20:50:50 GMT
From: psinntp!isc-newsserver!ultb!jdc3538@uunet.uu.net
Subject: 9913 feedline question
To: ham-ant@ucsd.edu

How does one run 9913 feedline to a rotor-mounted antenna? Can
a length of RG-8 be spliced in for flexibility, or is a connector
needed?

73...Jim N2VNO

Date: Tue, 13 Sep 94 23:12:06 GMT
From: ihnp4.ucsd.edu!mvb.saic.com!news.alpha.net!pacifier!rainrgnews0!psgrain!
channel.ecst.csuchico.edu!olivea!spool.mu.edu!howland.reston.ans.net!
newsserver.jvnc.net!a3bee2.radnet.com!cartier@@.
Subject: Adding groups
To: ham-ant@ucsd.edu

How does one get on the mail feed for REC.AMATUER...
If you have the answer please send to

i7168@starfleet.snetlink.com

Thanks Rob Cartier - kd1jg

--

* Bob Cartier *
* Middletown, CT Email UUCP cartier@a3bee2 *
* (203) 632-9055 Eves Email Internet cartier@a3bee2.radnet.com *
* (203) 287-6093 Days Packet Radio kd1jg@portland.ampr.org *

Date: 19 Sep 1994 13:22:57 -0700
From: dog.ee.lbl.gov!overload.lbl.gov!dancer.ca.sandia.gov!cronkite.nersc.gov!
fastrac.llnl.gov!usenet.ee.pdx.edu!news.reed.edu!news.teleport.com!
news.teleport.com!not-for-mail@ihnp4.ucsd.edu
Subject: Cheap 2M/70cm base antenna?
To: ham-ant@ucsd.edu

pruth@ocvaxa.cc.oberlin.edu wrote:
: Is there a good cheap 2M/70cm dual-band rooftop
: antenna with gain and proven performance on the
: market? I don't want to invest in one of those
: hot fiberglas sticks just yet if there is something
: that really works well and is reasonably priced.
: And is omnidirectional. Thanks. --Bill KB8USZ

How about a home brew copper pipe J antenna?

73's

Gene
KB7WIP

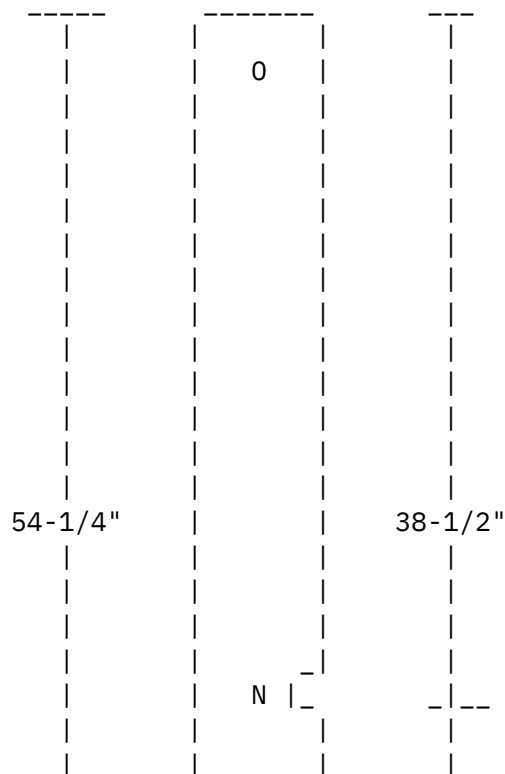
Date: Mon, 19 Sep 1994 00:28:00 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!iat.holonet.net!ectech!
clint.bradford@network.ucsd.edu
Subject: Cheap 2M/70cm base antenna?
To: ham-ant@ucsd.edu

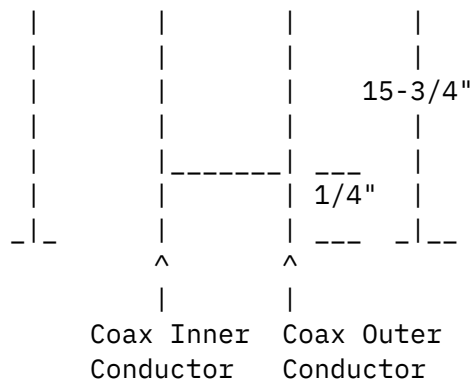
P>Is there a good cheap 2M/70cm dual-band rooftop
>antenna with gain and proven performance on the
>market?

"good," "cheap," "proven. . ." --- you want to make yourself a J-Pole.

Excellent step by step instructions about two months ago in QST
Magazine. Theirs was encapsulated in 3/4" PVC pipe for weather-
proofing. Or, here's an alternative:

=== 2m/70cm Dual Band J-Pole made from 300 ohm twin lead ===





SWR is 2:1 across the 2m band and from 435mhz to 450mhz on the 70cm band.

1. Use good quality TV twin lead.
2. Strip insulation at the solder point for coax feedline.
3. Cut out and remove the 1/2" long notch N.
4. Feed with a length of 50 ohm coax and terminate with the appropriate connector. Tape coax at feedpoint to the twin lead, or use heat shrink, and make sure the joints are insulated from each other.
5. Antenna may be sleeved inside 1/2" PVC for outside mounting or hung on a loop of string run thru hole O.

* QMPro 1.52 * CCITT- Can't Conceive Intelligent Thoughts Today

Date: Thu, 15 Sep 1994 13:42:58 GMT
 From: ihnp4.ucsd.edu!swrinde!emory!pirates!news-feed-1.peachnet.edu!concert!hearst.acc.Virginia.EDU!cscsun!dtiller@network.ucsd.edu
 Subject: Coaxial into the House
 To: ham-ant@ucsd.edu

Rafael Solis (rafaels@zimmer.csufresno.edu) wrote:

: Well, I finally bought a 2 mt. external antenna which I already installed. I
 : live in a fairly new house whose (outside) walls are covered with stucco
 : (sp?). All windows have aluminum frames. Before I start drilling the stucco
 : and/or the windows' frames I thought in asking to you'all about feeding
 : coaxial through the walls and/or windows. Please send me a line or two.

I just went thru this in a big way. I have a 125' tower that's about 100'

from my radio room in the house. I didn't want to drill holes in the windows, nor did I want leakage thru a window partly open to let coax thru. My answer? DIG! I dug a trench 100' long, 2' wide and 3' deep between the tower and the house and buried 2 runs of 4" S&D PVC pipe to run coax in. I went thru the slab into the house where I broke out a 12"x8" section of the floor. I now have a sealed, unobtrusive little "door" in the floor that runs all the way to the base of the tower, nice and dry. I also ran water lines out to "the chickenhouse" - an outbuilding on my property right next to the tower. You might not want to take it that far, but going thru the floor is a nifty way of getting wire outside the house.

--

David Tiller	Network Administrator	Voice: (804) 752-3710	
dtiller@rmc.edu	n2kau/4	Randolph-Macon College	Fax: (804) 752-7231
Brady Law critique removed	P.O. Box 5005	ICBM: 37d 42' 43.75" N	
due to liberal PC pressure.	Ashland, Va 23005		77d 31' 32.19" W

Date: 16 Sep 1994 00:49:35 GMT
From: pa.dec.com!nnnpd.lkg.dec.com!iamu.chi.dec.com!little@decwrl.dec.com
Subject: Discones as transmitting antennas
To: ham-ant@ucsd.edu

In article <357chj\$j6k@news.cc.oberlin.edu>, pruth@ocvaxa.cc.oberlin.edu writes:
|>Here are a few questions for discone users. I have a
|>Radio Shack discone to which I've added a 49" vertical
|>whip, since I've been told RS is in reality selling a
|>'topless' discone, unlike the Diamond discone which has
|>the 'complete' discone with base-loaded vertical whip.
|>I intend to transmit through this array with a 2M/70cm
|>twin band HT, and would like to know:

The RS discone is a "complete" discone. The Diamond is a combination antenna.

73,
Todd
N9MWB

Date: Mon, 19 Sep 94 01:00:27 -0500
From: news.delphi.com!usenet@uunet.uu.net
Subject: Gap Antennas
To: ham-ant@ucsd.edu

Jim Clark <jim3804@delphi.com> writes:

>ws, the reviewer talks about how great it HEARS on 80m. I've yet to read one
>where anybody made an 80m DX QSO! Good luck (put up a dipole for the 80m
>band)73, Jimc. (KB0FIR)

OK, here's one from someone who has:

I used a GAP Voyager for a couple of years while operating CU3LF and CU0WPX from Terceira Island in the Azores. This is the big 45-ft tall one with the 6-ft top hat on it. It covers 160, 80, 40, and 20. It was so-so on 160, and OK on 20 but it was INCREDIBLE on 80 and 40. With 100 watts, I easily worked anything on the band and broke a number of pileups - ended up with 5BDXCC thanks to that antenna. I've used a number of verticals, wires, dipoles, etc., over the years but nothing has ever come close to that GAP vertical. I have no hesitation in recommending it to anyone wanting a good DX antenna for 80 and 40. Only problem I ever had with it was keeping it in the air during the famous high wind storms we had over there - ended up having to guy it every 10 feet or it wouldn't survive any wind over about 45 mph (and in January and February that's a mild breeze over there - we often had 100+mph winds during those months).

Specifically, on 80m I worked W6, W7, various South Americans, 9V, VK, and all over Europe and Africa. Same on 40. On 160, I worked a couple VEs and W1s. Those are the ones I remember - if I went back over my logs and QSLs I could come up with more.

To summarize: the Voyager WORKS! (Now if I only had the room to put it up here in crazy, overcrowded, overpriced, and overly restrictive California!!!)

Date: Mon, 19 Sep 1994 21:02:02 GMT

From: ihnp4.ucsd.edu!dog.ee.lbl.gov!overload.lbl.gov!dancer.ca.sandia.gov!
cronkite.nersc.gov!fastrac.llnl.gov!lll-winken.llnl.gov!taurus.cs.nps.navy.mil!
elkern@network.ucsd.edu

Subject: Good Magnetic Mount CB Antenna Needed!

To: ham-ant@ucsd.edu

I have a tweaked Cobra 29 LTD and want to upgrade my old Radio Shack antenna to something better. I've looked at the K40 and Wilson 2000 mag. mount units locally, but before I bought I thought I'd see if anything else is out there that will do the job as well and maybe for a better price?

My local guy wants \$70 for the K40 and \$80 for the W2000. Does that seem resonable?

Thanks,

Ken

--

elkern@cs.nps.navy.mil

Date: Sat, 17 Sep 1994 22:48:08 GMT

From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!charnel.ecst.csuchico.edu!
olivea!news.hal.COM!darkstar.UCSC.EDU!nic.scruz.net!cruzio!brettb@network.ucsd.edu

Subject: Ground Plane Antenna for 2 Meters

To: ham-ant@ucsd.edu

I live in a noisy RF environment and would like to build a ground plane antenna. Does anyone have some plans or ideas on how to build a good one for two meters? I seem to recall having seen one a few years back that used coaxial cable. THX de

Brett Breitwieser (brettb@cruzio.com)

KC6UPU, Grid CM86XX

--

brettb@cruzio.com

Date: Mon, 19 Sep 1994 12:06:36 GMT

From: lll-winken.llnl.gov!fnnews.fnal.gov!gw1.att.com!nntpa!not-for-mail@ames.arpa

Subject: High Sierra, Loop, or Random Wire?

To: ham-ant@ucsd.edu

In article <35er8v\$47@sefl.satelnet.org>,

James Messer <jmesser@satelnet.org> wrote:

>I live in an area where antenna restrictions abound, and I'm looking at
>getting a High Sierra antenna system to put somewhere in my house
>(preferably the attic). I've also looked at the 'loop' antennas from MFJ
>and AEA.

>

> I'm nearly tempted to cut a hole in the ceiling of a closet to
>get some extra ceiling space so that the antenna can be mounted
>completely vertically (obviously I'm hooked on Amateur Radio).

>

Don't forget that the vertical part is only half of the antenna. The other half is the ground plane. Poking the antenna up through the closet ceiling might also mean running ground radials out through the closet door.

I'm not familiar with the construction of the High Sierra, but if the bottom section is just mast which houses the motorized capacitor

then you could bend the whip 90deg so it is entirely vertical and the mast section is horizontal.

Ken AC1H

Date: Mon, 19 Sep 1994 00:30:00 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!iat.holonet.net!ectech!
clint.bradford@network.ucsd.edu
Subject: Looking for passwords for decodifier..
To: ham-ant@ucsd.edu

R>Hello, I'm a single people who likes to use the antenna (video antenna), and
>I have a decodifier to see the prohibited channels

It's posts like yours that I equate with highway speed control bumps.
Please leave requests for illegal activities elsewhere. Do not use
this information highway to commit your crimes.

* QMPro 1.52 * Dogs come when you call. Cats have answering machines.

Date: 19 Sep 94 09:00:06 EDT
From: psinntp!main03!landisj@uunet.uu.net
Subject: R5 Adjustments
To: ham-ant@ucsd.edu

In article <Z01Q-3b.darrylb@delphi.com>, darrylb@delphi.com writes:
> Glen Johnson <wb2mpk@gti.gti.net> writes:
>
>>Question. I've installed a brand new R5 vertical, and the SWR is 3:1 on
>>17m. Now, I managed to toss the instructions in the garbage, so I'm
>>hoping someone can tell me which part(s) of this antenna to adjust to get
>>that figure down. The antenna is 1.5:1 or less on the other 4 bands. Help?
>
>
> I bet Cushcraft would be happy to send you a new set of instructions.

Yeah, for 3 bucks... I'll try to remember to bring mine to work tomorrow and
fax you a copy of the adjustment procedure. Whats your fax number?
Joe - AA3GN
(landisj@drager.com)

Date: Mon, 19 Sep 1994 16:50:04 GMT
From: gumby!wmu-coyote!radams@uunet.uu.net
Subject: RS twinlead antenna
To: ham-ant@ucsd.edu

In article <CwC450.34n@cs.dal.ca>,
Ross Frederick Blakeney <aa568@cfn.cs.dal.ca> wrote:
>Hi, a little while back I noticed a posting about an antenna made with
>radio shack twin lead over some other kind, if the person who made the

If you're talking about the Folded Dipole it was my post. It's twice as broad as a single wire dipole... mine covers the entire 75m phone band under 2:1. But, I wouldn't recommend Radio Shack's twin-lead or coax on a bet.

The radiator is made out of 120' of 450 ohm ladder line (the black plastic stuff with "punched windows") and a 4:1 current-type balun. You can order these from Radio Works (not "Shack") in Portsmouth, Virginia. Get ladder-line with stranded conductors - it's stronger.

To fabricate, simply cut one side of the l-l in the center and install the balun. To keep strain off the joints you just soldered, tie a nylon line through a "window" on either side to the top eye ring - taugtly. Then, short each end of the l-l and install insulators. You're done!

Feed it with 50 ohm coax. It's best installed as a shallow "V". Mine is at 55' with the ends at 35'. Works like a banshee.

Robert Adams, P.E.
radams@cs.wmich.edu
(616) 342-1303

* "FREE (the U.S. from) WILLY!" Vote Republican in November!

Date: Mon, 19 Sep 94 01:10:35 -0500
From: news.delphi.com!usenet@uunet.uu.net
Subject: SGC "QMS" mobile HF antenna
To: ham-ant@ucsd.edu

Hi...has anyone tried the "QMS" mobile antenna system advertised by SGC? This is the one that consists of their 8-ft helical whip, their SGC-230 automatic tuner and their "quick mounting system".

They advertise this thing as being effective from 2-30 MHz and claim that because the dual-section whip is helically wound (resonant points at 11 and 22 MHz) it's "more effective" than "an ordinary 9-foot whip".

They say the higher effectiveness is most noticeable at the lower frequencies (80 and 40 meters). I might be able to believe it's more effective than a "regular" 8 or 9 foot whip antenna, but I'm not convinced that it's more effective than a good center-loaded antenna like the "screwdriver", High Sierra, Hustler, etc., without a tuner. It also is very pricey (\$895) compared to a Hustler or High Sierra.

If anyone has actually tried one of these things, I'd like to hear about your experiences. Is it any good? How effective is it on 80 and 40? Thanks.

73, Mike KB3RG

Date: 17 Sep 1994 21:27:15 GMT
From: ihnp4.ucsd.edu!ucsnews!newshub.sdsu.edu!nic-nac.CSU.net!usc!cs.utexas.edu!swrinde!gatech!asuvax!chnews!sedona!cmoore@network.ucsd.edu
Subject: Summary - Half Square Antenna
To: ham-ant@ucsd.edu

In article <9408167797.AA779746864@atlas.ccm ail.airtouch.com>, ken silverman <ken.silverman@atlas.ccm ail.airtouch.COM> wrote:

>40m Dipole @ 37' 4.99 dBd at 68 degs
>40m halfsquare @ 37' 6.52 dBd at 5 degs

Hi Ken, I wish I had your salt water. On second thought, maybe not, since that would mean CA fell into the ocean with my daughter aboard.

ELNEC says a 40m half-square at 40 ft over real AZ ground has a maximum gain of only 3.7 dbi (1.6 dbd) but the low-angle of radiation makes it better than a resonant dipole for DX. For close in work (less than 1000 mi) the dipole is better (for AZ soil).

--

73, Cecil, KG7BK, 00TC Most of the doors in amateur radio can
(Not speaking for Intel) not be opened by a -.-. .-- key.

End of Ham-Ant Digest V94 #315
